



July 2009

DEPARTMENT OF EDUCATION
2008–2009 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State accountability standards of Maine's *Learning Results*. The *Learning Results* contain goals for what all students should know and be able to do at certain times in their school careers and include the accountability standards that are assessed for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind* Act.

The 2008-2009 MEA Summary Reports contain the results of student achievement in reading and mathematics at all grades and science at grades 5 and 8 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. More information about the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the assessments.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 5

Test Date: March 2009
Code: 11991485
SAU: MSAD 05
School: Owls Head Central School

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

<i>Topic</i>	<i>Page</i>
Summary of Scores	2
Summary of Student Participation	3
English Language Arts – Reading Results	4-6
Mathematics Results	7-9
Science Results	10-12

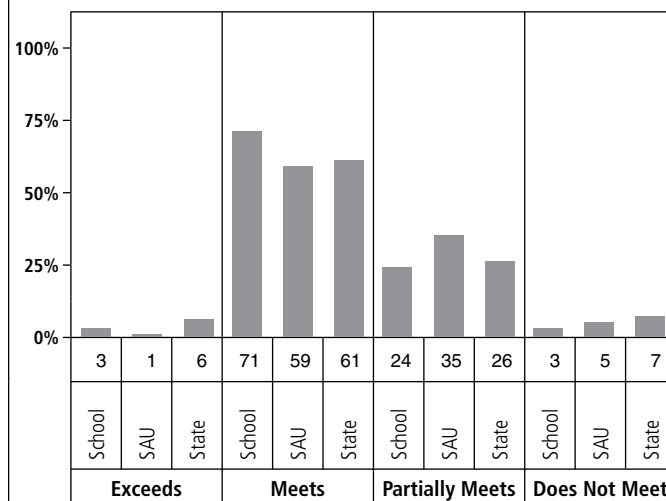
SUMMARY OF SCORES

Test Date: March 2009
Grade: 5
SAU: MSAD 05
School: Owls Head Central School

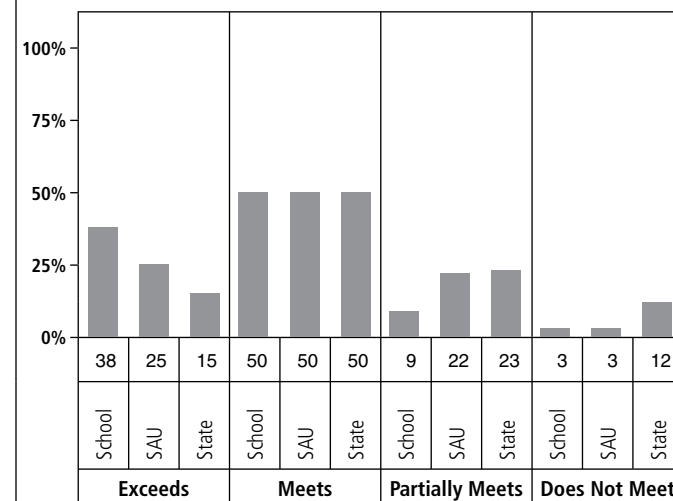
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2006–2007	546	544	544
2007–2008	545	543	545
2008–2009	548	545	546
Cum. Avg.*	546	544	545
Mathematics			
2006–2007	554	549	546
2007–2008	552	548	546
2008–2009	555	551	547
Cum. Avg.*	554	549	546
Science			
2008–2009 **	545	540	543

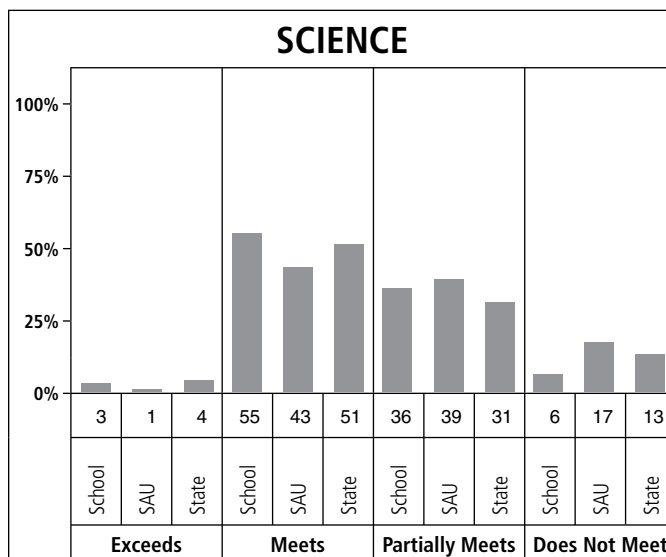
ELA – READING



MATHEMATICS



SCIENCE



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

**Because science testing moved from grade 4 to grade 5 in March 2009, science standards were reset and therefore no historical data are available.

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2009
Grade: 5
SAU: MSAD 05
School: Owls Head Central School

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																	
							ELA-Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	34	100	88	100	14212	100	34	100	88	100	14135	100	34	100	88	100	14144	100	33	97	87	99	14137	100
Ethnicity African American/Black	1	3	1	1	397	3	1	100	1	100	388	98	1	100	1	100	393	99	1	100	1	100	389	98
American Indian or Native Alaskan	0	0	0	0	110	1	0	0	0	0	110	100	0	0	0	0	110	100	0	0	0	0	110	100
Asian or Pacific Islander	0	0	0	0	259	2	0	0	0	0	253	98	0	0	0	0	258	100	0	0	0	0	257	99
Hispanic	0	0	1	1	175	1	0	0	1	100	172	99	0	0	1	100	172	99	0	0	1	100	173	99
Caucasian/White	33	97	86	98	13271	93	33	100	86	100	13212	100	33	100	86	100	13211	100	32	97	85	99	13208	100
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Identified disability	1	3	9	10	2479	17	1	100	9	100	2454	100	1	100	9	100	2455	100	1	100	9	100	2451	99
Current LEP	0	0	0	0	374	3	0	0	0	0	359	96	0	0	0	0	370	99	0	0	0	0	366	98
Economically disadvantaged	9	26	43	49	5848	41	9	100	43	100	5815	100	9	100	43	100	5819	100	8	89	42	98	5812	100
Migrant	0	0	0	0	8	0	0	0	0	0	8	100	0	0	0	0	8	100	0	0	0	0	8	100

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	33	97	79	90	10849	76	33	97	79	90	10872	76	32	94	78	89	10976	77
Identified disability (PET/IEP)	0	0	0	0	298	3	0	0	0	0	307	3	0	0	0	0	338	3
LEP	0	0	0	0	170	2	0	0	0	0	169	2	0	0	0	0	177	2
504 plan	0	0	0	0	123	1	0	0	0	0	121	1	0	0	0	0	126	1
Participation with accommodations	1	3	9	10	3122	22	1	3	9	10	3124	22	1	3	9	10	3019	21
Identified disability (PET/IEP)	1	100	9	100	1992	64	1	100	9	100	2000	64	1	100	9	100	1971	65
LEP	0	0	0	0	184	6	0	0	0	0	196	6	0	0	0	0	184	6
504 plan	0	0	0	0	84	3	0	0	0	0	86	3	0	0	0	0	81	3
Other	0	0	0	0	907	29	0	0	0	0	886	28	0	0	0	0	826	27
Participation through alternate assessment (PAAP)	0	0	0	0	164	1	0	0	0	0	148	1	0	0	0	0	142	1
Identified disability (PET/IEP)	0	0	0	0	164	100	0	0	0	0	148	100	0	0	0	0	142	100
LEP	0	0	0	0	5	3	0	0	0	0	5	3	0	0	0	0	5	4
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Approved non-participation in reading – 1st year LEP	0	0	0	0	0	0												
Approved non-participation – special consideration	0	0	0	0	19	0	0	0	0	0	19	0	0	0	0	0	20	0
Non-participation – other	0	0	0	0	58	0	0	0	0	0	49	0	1	3	1	1	55	0

¹Percents are the percentage of students enrolled in each participation category.

²Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

³Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date: March 2009
Grade: 5
SAU: MSAD 05
School: Owls Head Central School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (Scaled Score 562–580)	2006-2007	0	0	0	0	702	5
	2007-2008	1	3	2	2	659	5
	2008-2009	1	3	1	1	836	6
	Cum. Total*	2	2	3	1	2197	5
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (Scaled Score 542–560)	2006-2007	20	67	49	57	7730	55
	2007-2008	21	60	58	53	8195	58
	2008-2009	24	71	52	59	8495	61
	Cum. Total*	65	66	159	56	24420	58
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (Scaled Score 532–540)	2006-2007	10	33	31	36	4182	30
	2007-2008	12	34	40	37	3800	27
	2008-2009	8	24	31	35	3667	26
	Cum. Total*	30	30	102	36	11649	28
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (Scaled Score 500–530)	2006-2007	0	0	6	7	1419	10
	2007-2008	1	3	9	8	1362	10
	2008-2009	1	3	4	5	973	7
	Cum. Total*	2	2	19	7	3754	9

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Reading Total Points	48	100	32.5	67.7	30.0	62.5	30.8	64.2
A1/A2 Interconnected Elements/Literary Text	24	50	15.8	65.8	14.6	60.8	15.0	62.5
A1/A3 Interconnected Elements/Informational Text	24	50	16.7	69.6	15.5	64.6	15.8	65.8

The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Reading passages include both long and short texts, selected from developmentally appropriate works. MEA reading items measure the English Language Arts accountability content standard A, Reading, contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at:
<http://www.maine.gov/education/lres/pei/index.html>.

ELA-READING RESULTS

(CONTINUED)

Test Date: March 2009
Grade: 5
SAU: MSAD 05
School: Owls Head Central School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	34	1	3	24	71	8	24	1	3	548	88	1	59	35	5	545	13971	6	61	26	7	546
Ethnicity																						
African American/Black	1										1						381	2	44	31	23	540
American Indian or Native Alaskan	0										0						110	0	48	38	14	541
Asian or Pacific Islander	0										0						252	11	58	21	11	547
Hispanic	0										1						166	4	54	32	10	543
Caucasian/White	33	1	3	23	70	8	24	1	3	548	86	1	58	36	5	544	13062	6	62	26	6	546
Not Reported	0										0						0					
Identified disability																						
Yes	1										9	0	11	56	33	533	2290	0	29	47	23	537
No	33	1	3	24	73	8	24	0	0	548	79	1	65	33	1	546	11681	7	67	22	4	548
Current LEP																						
Yes	0										0						354	1	35	34	30	538
No	34	1	3	24	71	8	24	1	3	548	88	1	59	35	5	545	13617	6	61	26	6	546
Economically disadvantaged																						
Yes	9	0	0	3	33	5	56	1	11	542	43	0	35	56	9	540	5716	2	51	35	12	542
No	25	1	4	21	84	3	12	0	0	550	45	2	82	16	0	548	8255	9	67	20	4	548
Migrant																						
Yes	0										0						8	0	38	25	38	538
No	34	1	3	24	71	8	24	1	3	548	88	1	59	35	5	545	13963	6	61	26	7	546
Gender																						
Female	20	0	0	17	85	3	15	0	0	550	55	0	65	31	4	545	6882	8	62	24	6	547
Male	14	1	7	7	50	5	36	1	7	545	33	3	48	42	6	543	7089	4	60	28	8	545
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	9	0	0	2	22	6	67	1	11	539	28	0	32	61	7	540	1914	1	41	44	14	540
No	25	1	4	22	88	2	8	0	0	551	60	2	72	23	3	547	12057	7	64	23	6	547
Gifted/talented program																						
Yes	0										1						450	26	72	2	0	557
No	34	1	3	24	71	8	24	1	3	548	87	1	59	36	5	544	13521	5	60	27	7	545

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA-READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 5
SAU: MSAD 05
School: Owls Head Central School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	3	0	0	1	100	0	0	0	0	554	1	0	100	0	0	554	4	2	40	34	24	540
B. less than one hour	79	1	4	19	73	5	19	1	4	548	80	1	60	33	6	544	70	6	63	26	6	546
C. one to two hours	15	0	0	3	60	2	40	0	0	547	16	0	57	43	0	545	24	7	61	26	6	546
D. more than two hours	3	0	0	1	100	0	0	0	0	548	2	0	50	50	0	541	2	4	42	33	21	541
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	52	1	6	14	82	2	12	0	0	551	48	2	64	31	2	547	36	10	67	18	5	549
B. good	39	0	0	8	62	4	31	1	8	546	39	0	53	38	9	543	47	5	62	27	6	546
C. fair	9	0	0	2	67	1	33	0	0	543	13	0	64	36	0	543	15	2	47	40	12	541
D. poor	0										0						2	0	30	46	24	537
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?																						
A. The questions on the test match what I have learned in reading class.	64	1	5	17	81	3	14	0	0	551	37	3	75	22	0	549	31	9	65	20	5	548
B. They match some of what I have learned.	33	0	0	7	64	4	36	0	0	545	53	0	54	39	7	542	55	5	63	27	5	546
C. They match just a little of what I have learned.	3	0	0	0	0	0	0	1	100	528	9	0	25	63	13	540	10	3	45	38	14	542
D. There is no match.	0										1	0	100	0	0	542	3	1	31	41	27	537
How difficult was the reading part of this test?																						
A. more difficult than my regular schoolwork	0										12	0	40	50	10	540	16	3	49	32	15	542
B. about the same as my regular schoolwork	85	1	4	19	68	7	25	1	4	548	69	2	60	33	5	545	64	7	63	25	5	547
C. easier than my regular schoolwork	15	0	0	5	100	0	0	0	0	550	19	0	81	19	0	548	20	5	62	26	7	546
How difficult were the reading passages on this test?																						
A. Most of the passages were more difficult than what I normally read.	6	0	0	0	0	2	100	0	0	539	9	0	13	75	13	537	10	1	33	42	24	538
B. Most of the passages were about the same as what I normally read.	36	0	0	7	58	4	33	1	8	545	44	0	53	39	8	543	52	4	61	29	6	545
C. Most of the passages were easier than what I normally read.	58	1	5	17	89	1	5	0	0	551	47	3	75	23	0	548	38	10	68	18	4	549
How much time do you spend reading at home each day?																						
A. more than one hour	24	0	0	7	88	1	13	0	0	548	24	0	62	38	0	545	20	10	64	21	5	548
B. 20 minutes to an hour	67	1	5	16	73	5	23	0	0	549	57	2	64	30	4	545	56	7	65	24	5	547
C. less than 20 minutes	3	0	0	1	100	0	0	0	0	554	10	0	44	44	11	544	10	3	52	33	12	543
D. I rarely read at home.	6	0	0	0	0	1	50	1	50	533	8	0	43	43	14	539	14	1	46	38	14	541
How many pages do you read in school and to complete homework assignments?																						
A. five or fewer pages	9	0	0	1	33	1	33	1	33	537	31	0	44	44	11	541	25	3	53	33	11	543
B. six to ten pages	16	0	0	3	60	2	40	0	0	544	26	0	64	36	0	544	26	6	61	26	7	546
C. eleven or more pages	75	1	4	19	79	4	17	0	0	551	43	3	68	27	3	548	49	8	65	23	5	547
Optional school/SAU question																						
A.	0										0											
B.	100	0	0	2	100	0	0	0	0	549	67	0	100	0	0	549						
C.	0										33	0	0	100	0	538						
D.	0										0											

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards
N = Number

MATHEMATICS RESULTS

Test Date: March 2009
Grade: 5
SAU: MSAD 05
School: Owls Head Central School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (Scaled Score 562–580)	2006-2007	4	13	12	14	1711	12
	2007-2008	9	26	17	16	1617	12
	2008-2009	13	38	22	25	2119	15
	Cum. Total*	26	26	51	18	5447	13
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (Scaled Score 542–560)	2006-2007	21	70	54	63	6778	48
	2007-2008	20	57	61	56	7284	52
	2008-2009	17	50	44	50	7046	50
	Cum. Total*	58	59	159	56	21108	50
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (Scaled Score 530–540)	2006-2007	4	13	12	14	3884	28
	2007-2008	4	11	19	17	3341	24
	2008-2009	3	9	19	22	3193	23
	Cum. Total*	11	11	50	18	10418	25
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (Scaled Score 500–528)	2006-2007	1	3	8	9	1683	12
	2007-2008	2	6	12	11	1778	13
	2008-2009	1	3	3	3	1638	12
	Cum. Total*	4	4	23	8	5099	12

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Mathematics Total Points	48	100	30.6	63.8	27.8	57.9	25.5	53.1
A. Number	18	38	13.0	72.2	11.3	62.8	9.8	54.4
B. Data	10	21	5.6	56.0	5.3	53.0	5.2	52.0
C. Geometry	10	21	5.1	51.0	4.9	49.0	4.7	47.0
D. Algebra	10	21	6.9	69.0	6.3	63.0	5.7	57.0

The MEA assesses students’ mathematics knowledge based on questions that measure the mathematics accountability content standards contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard A, Number, includes Whole Number, Rational Number, and Real Number.

Content Standard B, Data, includes Measurement and Approximation, Data Analysis, and Probability.

Content Standard C, Geometry, includes Geometric Figures, Geometric Measurement, and Transformations.

Content Standard D, Algebra, includes Symbols and Expressions, Equations and Inequalities, and Functions and Relations.

MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 5
 SAU: MSAD 05
 School: Owls Head Central School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	34	13	38	17	50	3	9	1	3	555	88	25	50	22	3	551	13996	15	50	23	12	547
Ethnicity																						
African American/Black	1										1						385	6	35	28	30	537
American Indian or Native Alaskan	0										0						110	5	42	34	20	540
Asian or Pacific Islander	0										0						257	19	50	20	12	548
Hispanic	0										1						166	9	43	31	17	543
Caucasian/White	33	13	39	16	48	3	9	1	3	555	86	26	49	22	3	551	13078	15	51	23	11	547
Not Reported	0										0						0					
Identified disability																						
Yes	1										9	0	22	56	22	536	2307	3	32	32	33	536
No	33	13	39	17	52	3	9	0	0	556	79	28	53	18	1	553	11689	17	54	21	8	549
Current LEP																						
Yes	0										0						365	5	33	30	32	536
No	34	13	38	17	50	3	9	1	3	555	88	25	50	22	3	551	13631	15	51	23	11	547
Economically disadvantaged																						
Yes	9	1	11	5	56	2	22	1	11	547	43	7	51	35	7	544	5731	7	46	29	18	542
No	25	12	48	12	48	1	4	0	0	558	45	42	49	9	0	557	8265	21	53	19	7	550
Migrant																						
Yes	0										0						8	0	38	50	13	540
No	34	13	38	17	50	3	9	1	3	555	88	25	50	22	3	551	13988	15	50	23	12	547
Gender																						
Female	20	8	40	11	55	1	5	0	0	558	55	25	53	20	2	552	6889	14	51	23	12	546
Male	14	5	36	6	43	2	14	1	7	551	33	24	45	24	6	549	7107	16	50	23	11	547
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	9	0	0	5	56	3	33	1	11	541	28	4	50	36	11	543	1918	3	39	36	22	539
No	25	13	52	12	48	0	0	0	0	560	60	35	50	15	0	555	12078	17	52	21	10	548
Gifted/talented program																						
Yes	0										1						450	64	34	2	0	564
No	34	13	38	17	50	3	9	1	3	555	87	24	51	22	3	551	13546	14	51	23	12	546

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 5
SAU: MSAD 05
School: Owls Head Central School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	3	0	0	1	100	0	0	0	0	548	1	0	100	0	0	548	4	8	38	26	28	539
B. less than one hour	79	11	42	14	54	0	0	1	4	557	80	27	53	17	3	552	70	15	52	23	10	547
C. one to two hours	15	1	20	2	40	2	40	0	0	548	16	14	43	36	7	547	24	15	51	23	11	547
D. more than two hours	3	1	100	0	0	0	0	0	0	562	2	50	0	50	0	548	2	9	37	24	30	539
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	39	7	54	5	38	0	0	1	8	557	30	46	46	4	4	558	34	28	50	14	8	552
B. good	52	6	35	11	65	0	0	0	0	557	48	21	60	19	0	551	45	11	54	24	10	546
C. fair	9	0	0	1	33	2	67	0	0	539	16	7	36	50	7	542	18	3	45	33	19	540
D. poor	0										6	0	40	40	20	538	3	1	29	41	29	535
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?																						
A. The questions on the test match what I have learned in mathematics class.	61	7	35	12	60	1	5	0	0	556	40	26	57	17	0	552	38	22	52	19	7	550
B. They match some of what I have learned.	33	5	45	5	45	1	9	0	0	557	44	26	53	21	0	553	48	12	53	24	11	546
C. They match just a little of what I have learned.	6	1	50	0	0	0	0	1	50	543	16	21	29	29	21	543	11	6	40	30	24	540
D. There is no match.	0										0						3	6	26	29	38	534
How difficult was the mathematics part of this test?																						
A. more difficult than my regular schoolwork	9	3	100	0	0	0	0	0	0	565	20	29	24	47	0	548	17	7	42	30	21	540
B. about the same as my regular schoolwork	67	5	23	14	64	2	9	1	5	552	59	18	59	18	6	550	64	15	53	23	10	547
C. easier than my regular schoolwork	24	5	63	3	38	0	0	0	0	562	21	44	50	6	0	558	19	24	49	17	10	550
On average, how many minutes a day do you spend working on mathematics in class?																						
A. less than 30 minutes	6	0	0	1	50	0	0	1	50	539	3	0	67	0	33	540	7	6	39	27	27	539
B. 30–45 minutes	18	1	17	4	67	1	17	0	0	551	20	12	65	18	6	549	28	9	49	28	15	544
C. 45–60 minutes	45	9	60	6	40	0	0	0	0	562	29	44	44	12	0	556	41	17	53	21	9	548
D. more than 60 minutes	30	3	30	6	60	1	10	0	0	553	48	21	48	29	2	550	24	21	51	20	8	549
How often do you use calculators in mathematics class?																						
A. almost every day	0										20	0	53	41	6	542	6	14	43	24	20	543
B. two or three days a week	45	4	27	9	60	1	7	1	7	553	43	24	62	11	3	554	24	17	52	21	10	548
C. two or three times each month	36	6	50	5	42	1	8	0	0	558	29	40	32	24	4	552	33	17	52	21	9	548
D. never or almost never	18	3	50	3	50	0	0	0	0	557	9	38	50	13	0	553	38	12	49	25	14	545
How often do you use hands-on materials in mathematics class?																						
A. almost every day	52	4	24	10	59	2	12	1	6	553	37	22	59	16	3	552	23	13	47	26	15	545
B. two or three days a week	30	4	40	6	60	0	0	0	0	555	38	27	61	12	0	553	31	17	52	21	10	548
C. two or three times each month	15	4	80	1	20	0	0	0	0	564	16	36	21	36	7	550	27	17	52	21	10	548
D. never or almost never	3	1	100	0	0	0	0	0	0	566	9	13	25	50	13	541	20	12	50	24	14	545
Optional school/SAU question																						
A.	0										0											
B.	100	0	0	2	100	0	0	0	0	555	67	0	100	0	0	555						
C.	0										33	0	0	100	0	540						
D.	0										0											

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards
N = Number

SCIENCE RESULTS

Test Date: March 2009
Grade: 5
SAU: MSAD 05
School: Owls Head Central School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (Scaled Score 562–580)	2008-2009*	1	3	1	1	626	4
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (Scaled Score 542–560)	2008-2009*	18	55	37	43	7187	51
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (Scaled Score 532–540)	2008-2009*	12	36	34	39	4364	31
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems. Explanations are illogical, incomplete, or missing. There are many inaccuracies. (Scaled Score 500–530)	2008-2009*	2	6	15	17	1818	13

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Science Total Points	48	100	30.1	62.7	27.4	57.1	29.2	60.8
D. The Physical Setting	24	50	13.4	55.8	12.0	50.0	12.9	53.8
E. The Living Environment	24	50	16.7	69.6	15.4	64.2	16.3	67.9

The MEA assesses students’ science knowledge based on questions that measure the science accountability content standards highlighted in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard D. The Physical Setting
D1 - Universe and Solar System
D2 - Earth
D3 - Matter and Energy
D4 - Force and Motion

Content Standard E. The Living Environment
E1 - Biodiversity
E2 - Ecosystems
E3 - Cells
E4 - Heredity and Reproduction
E5 - Evolution

SCIENCE RESULTS

(CONTINUED)

Test Date: March 2009
Grade: 5
SAU: MSAD 05
School: Owls Head Central School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	33	1	3	18	55	12	36	2	6	545	87	1	43	39	17	540	13995	4	51	31	13	543
Ethnicity																						
African American/Black	1										1						382	2	31	32	35	535
American Indian or Native Alaskan	0										0						110	3	36	35	26	538
Asian or Pacific Islander	0										0						256	5	51	27	17	542
Hispanic	0										1						167	1	40	37	22	539
Caucasian/White	32	1	3	18	56	11	34	2	6	545	85	1	44	39	16	540	13080	5	52	31	12	544
Not Reported	0										0						0					
Identified disability																						
Yes	1										9	0	33	11	56	531	2309	2	29	39	29	536
No	32	1	3	18	56	12	38	1	3	545	78	1	44	42	13	541	11686	5	56	30	10	545
Current LEP																						
Yes	0										0						361	1	23	32	44	533
No	33	1	3	18	55	12	36	2	6	545	87	1	43	39	17	540	13634	5	52	31	12	544
Economically disadvantaged																						
Yes	8	0	0	1	13	5	63	2	25	534	42	0	26	43	31	535	5729	2	42	37	20	539
No	25	1	4	17	68	7	28	0	0	548	45	2	58	36	4	545	8266	6	58	27	8	546
Migrant																						
Yes	0										0						8	0	25	13	63	530
No	33	1	3	18	55	12	36	2	6	545	87	1	43	39	17	540	13987	4	51	31	13	543
Gender																						
Female	19	1	5	10	53	8	42	0	0	546	54	2	37	44	17	540	6886	4	49	33	14	542
Male	14	0	0	8	57	4	29	2	14	543	33	0	52	30	18	541	7109	5	54	29	12	544
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	8	0	0	2	25	4	50	2	25	537	27	0	22	48	30	535	1917	1	31	41	28	536
No	25	1	4	16	64	8	32	0	0	547	60	2	52	35	12	542	12078	5	55	30	11	544
Gifted/talented program																						
Yes	0										1						450	25	72	2	1	557
No	33	1	3	18	55	12	36	2	6	545	86	1	42	40	17	540	13545	4	51	32	13	543

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NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

SCIENCE RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 5
SAU: MSAD 05
School: Owls Head Central School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	3	0	0	1	100	0	0	0	0	544	1	0	100	0	0	544	4	2	37	35	25	538
B. less than one hour	79	1	4	14	54	10	38	1	4	545	80	1	41	43	14	541	70	4	53	31	12	544
C. one to two hours	15	0	0	2	40	2	40	1	20	538	16	0	43	21	36	537	24	5	51	31	12	544
D. more than two hours	3	0	0	1	100	0	0	0	0	558	2	0	50	50	0	546	2	4	39	31	26	539
Which of the following best describes how you rate yourself as a student in science?																						
A. very good	24	1	13	6	75	0	0	1	13	548	22	5	58	21	16	543	26	7	56	26	11	545
B. good	61	0	0	10	50	9	45	1	5	544	57	0	40	42	18	540	53	4	53	31	11	544
C. fair	9	0	0	0	0	3	100	0	0	535	16	0	21	57	21	535	18	2	41	39	17	540
D. poor	6	0	0	2	100	0	0	0	0	549	5	0	75	25	0	547	3	1	33	36	30	536
How well do the questions that you have just been given on this MEA test match what you have learned in school about science?																						
A. The questions on the test match what I have learned in science class.	18	1	17	2	33	2	33	1	17	547	24	5	24	43	29	539	23	5	56	28	11	544
B. They match some of what I have learned.	55	0	0	11	61	7	39	0	0	545	45	0	51	38	10	542	48	5	52	31	12	544
C. They match just a little of what I have learned.	21	0	0	3	43	3	43	1	14	542	29	0	40	40	20	539	23	4	49	33	14	543
D. There is no match.	6	0	0	2	100	0	0	0	0	544	2	0	100	0	0	544	6	3	40	34	23	539
How difficult was the science part of this test?																						
A. more difficult than my regular schoolwork	9	0	0	1	33	2	67	0	0	544	21	0	39	50	11	540	23	5	48	31	16	543
B. about the same as my regular schoolwork	66	0	0	12	57	7	33	2	10	543	61	0	42	42	15	540	58	4	52	32	12	543
C. easier than my regular schoolwork	25	1	13	5	63	2	25	0	0	549	18	7	53	13	27	543	19	6	53	29	11	544
How often do you have science classes?																						
A. every day	0										21	0	28	39	33	536	33	5	51	31	14	543
B. a few times a week	21	0	0	3	43	4	57	0	0	543	29	0	48	40	12	540	45	4	52	32	11	544
C. once a week	12	0	0	1	25	2	50	1	25	538	6	0	40	40	20	541	8	4	50	30	16	542
D. a few times a month	67	1	5	14	64	6	27	1	5	547	44	3	47	37	13	542	15	4	52	30	14	543
Which statement best describes how you learn science?																						
A. I mostly read a textbook and answer questions, and/or take notes and do assignments. I use science kits for demonstrations and experiments.	18	0	0	3	50	2	33	1	17	544	41	0	42	47	11	541	30	3	48	35	14	542
B. I work in groups to design and conduct experiments.	27	0	0	4	44	4	44	1	11	540	16	0	36	43	21	538	23	2	43	37	18	540
C. I do a combination of A and B, mostly A.	18	0	0	5	83	1	17	0	0	550	25	0	41	27	32	537	27	6	58	26	9	546
D. I do a combination of A and B, mostly B.	36	1	8	6	50	5	42	0	0	546	17	7	53	33	7	545	21	6	58	27	10	545
How often do you make observations and collect data in science class?																						
A. a few times a week	24	0	0	1	13	6	75	1	13	537	44	0	34	47	18	539	47	4	51	32	12	543
B. a few times a month	42	0	0	11	79	3	21	0	0	548	24	0	67	14	19	544	27	5	54	30	11	544
C. once a month	27	1	11	4	44	3	33	1	11	545	16	7	36	43	14	542	10	5	49	30	15	543
D. never or almost never	6	0	0	2	100	0	0	0	0	551	16	0	36	50	14	538	15	3	48	32	16	542
How often do you use observations and data to support your idea about science?																						
A. a few times a week	22	0	0	3	43	4	57	0	0	545	49	0	33	48	19	539	46	4	52	32	12	543
B. a few times a month	50	0	0	9	56	5	31	2	13	542	23	0	60	25	15	542	28	5	53	30	12	544
C. once a month	22	1	14	3	43	3	43	0	0	547	17	7	47	33	13	544	11	4	47	34	15	542
D. never or almost never	6	0	0	2	100	0	0	0	0	549	10	0	33	44	22	536	15	4	50	30	16	542
Optional school/SAU question																						
A.	0										0											
B.	100	0	0	2	100	0	0	0	0	547	67	0	100	0	0	547						
C.	0										33	0	0	100	0	536						
D.	0										0											

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N = Number